

# DuPont™ Oasis® 200TRT515

## COMPOSITE FILM

### Technical Data Sheet

#### Product Description

Oasis® 200TRT515 is a heat sealable composite film that is made using DuPont high tensile strength polyimide film and DuPont fluoropolymer designed to meet the normal weight wire requirements of AS22759/80-92. 200TRT515 film has a unique balance of excellent electrical, thermal durability, and chemical resistance properties, including improved hydrolytic stability, that make it ideal for the next generation of aerospace wire designs.

200TRT515 film possesses excellent bonding characteristics to itself and to other fluoropolymer-containing materials, while providing low adhesion to metal conductors. These unique bonding characteristics should provide a wide operating window for producing modern composite wire insulations.

This material can be processed on most taping machines designed to wrap polyimide based films around electrical conductors.

#### Applications

- Aerospace Wire and Cable
  - airframe wires
  - hookup wires
  - general purpose aircraft wires
- Specialty Wires
  - magnet wire
  - satellite wire

#### Packaging

Oasis® tapes are available in three different roll configurations: pad rolls, universal wound rolls and Step-Pac® rolls.

Additional product information, processing requirements and the safe handling of Oasis® can be found in Bulletin K-15349.



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**Table 1**  
**Typical Properties of Oasis® 200TRT515 Film**

<b>Property</b>	<b>Unit</b>	<b>Typical Value</b>	<b>Test Method</b>
Thickness	mil	2.00	ASTM D-374, Method D
Density	g/cc	1.81	ASTM D-1004-66-1981
Tensile Strength	kpsi	20	ASTM D-882-83, Method A
Tensile Modulus	kpsi	400	ASTM D-882-83, Method A
Elongation	%	60	ASTM D-882-83, Method A
Moisture Content	%	<1.0	DuPont 5204
Heat Seal Strength at 350°C	g/cm	500	DuPont 5210
Seal Initiation Temperature	°C	280	DuPont 5210
Dielectric Strength	V/mil	4500	ASTM D-149-81
Dissipation Factor at 1 kHz	--	0.010	ASTM D-150-81
Dielectric Contant at 1 kHz	--	2.85	ASTM D-150-81
Volume Resistivity	ohm-cm	10 <sup>16</sup>	ASTM D-257-78 (1983)
Yield	ft <sup>2</sup> /lb	53.2	DuPont 5217

For more information on DuPont™ Kapton® or other High Performance Materials, please contact your local representative, or visit our website for additional regional contacts:

**Americas**

DuPont High Performance Materials  
U.S. Rt. 23 & DuPont Road  
Circleville, OH 43113  
Tel: 800-967-5607

**Asia**

DuPont Taiwan  
No. 45, Hsing-Pont Road  
Taoyuan, Taiwan, R.O.C.  
Tel: 888 3 377 3688

**Europe**

DuPont de Nemours (Luxembourg) S.A.R.L.  
Rue General Patton  
L-2984 Luxembourg  
Tel: 352-3666-5935

**Japan**

DuPont-Toray Co., Ltd.  
5-6 Nihonbashi Honcho 1-chome  
Chuo-ku, Tokyo 103-0023 Japan  
Tel: 81-3-3245-5061

**[oasis.dupont.com](http://oasis.dupont.com)**

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